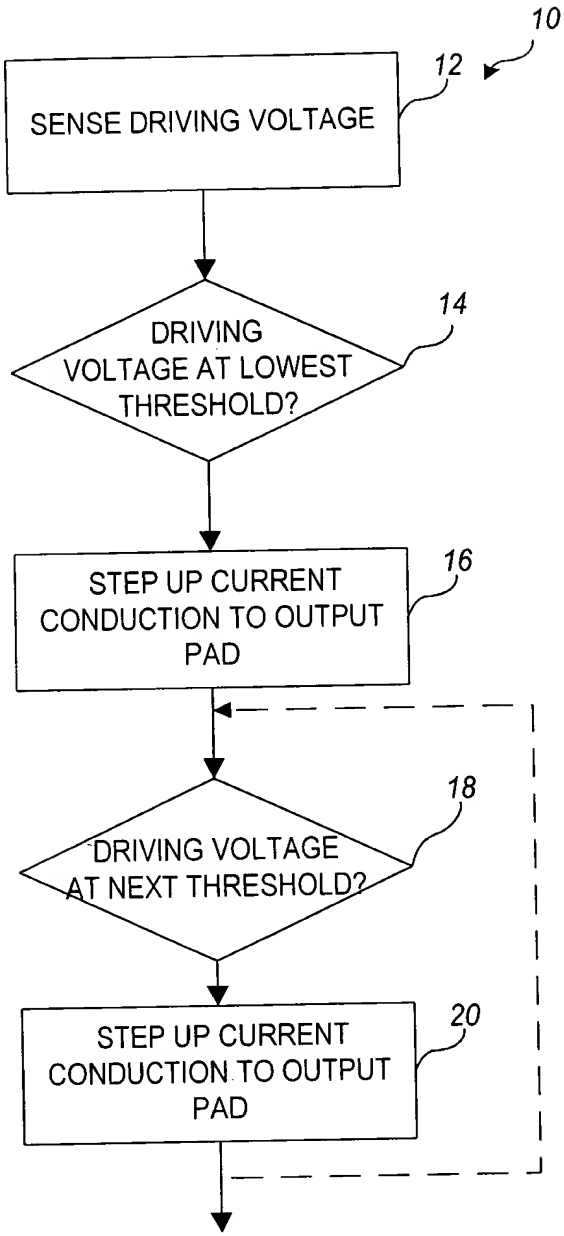

FIG. 1A

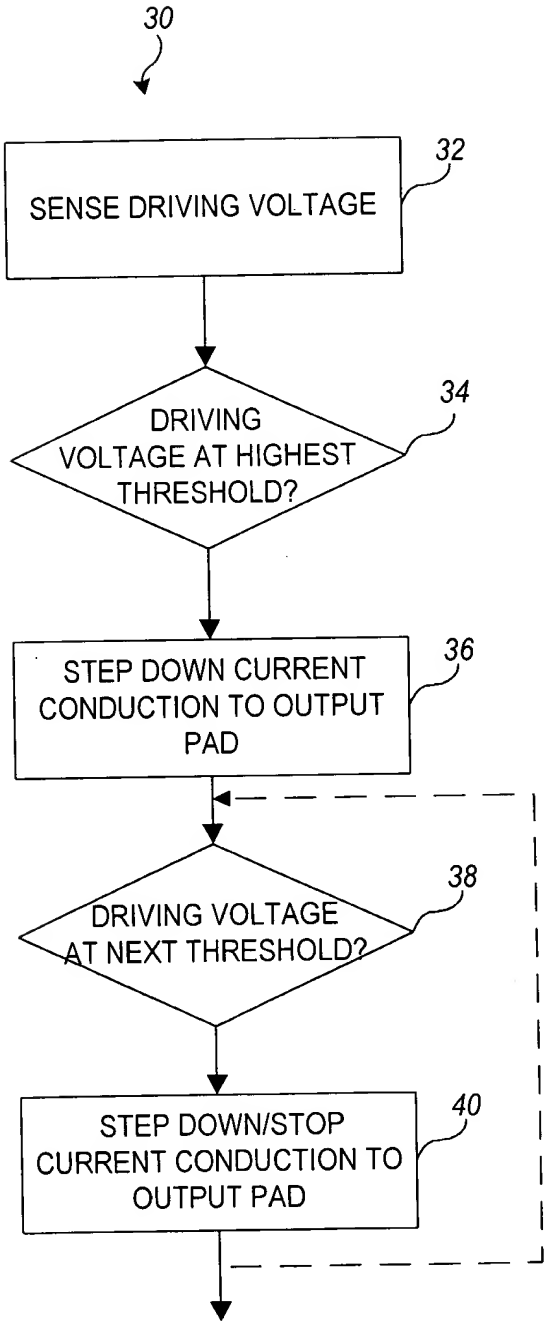

FIG. 1B

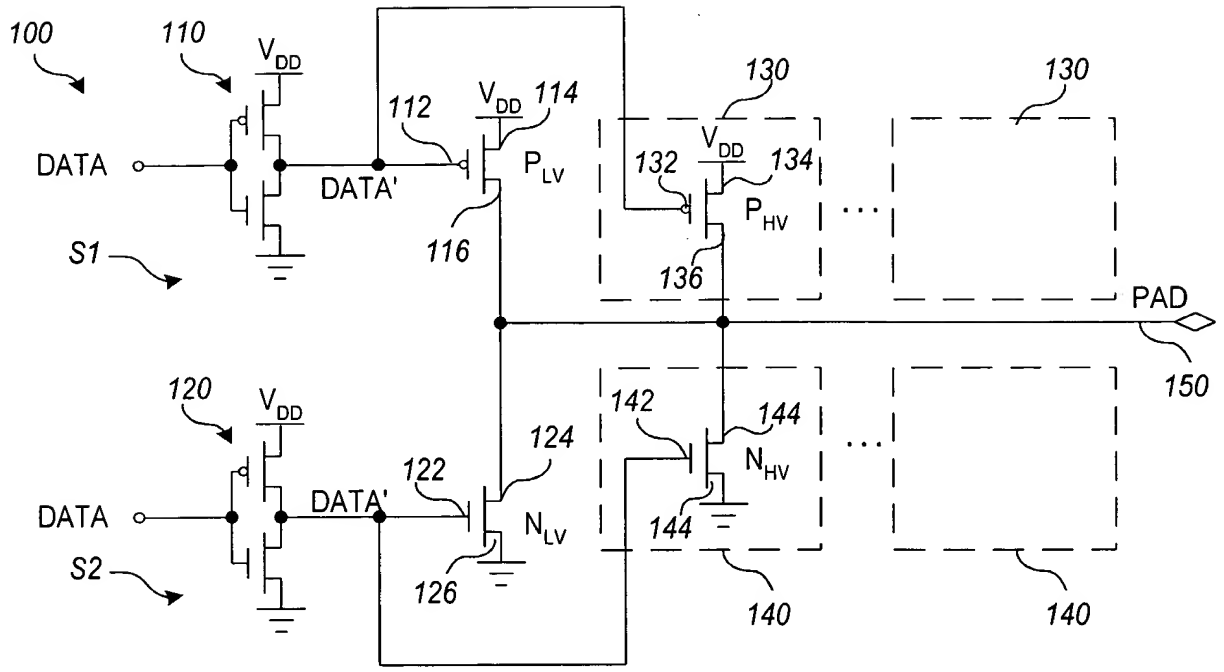
100
110
V_{DD}
DATA
S1
DATA'
112
V_{DD} 114
P_{LV}
116
130
132
V_{DD}
134
P_{HV}
136
130
PAD
150
120
V_{DD}
DATA
S2
DATA'
122
124
N_{LV}
126
142
144
N_{HV}
144
140
140

FIG. 2

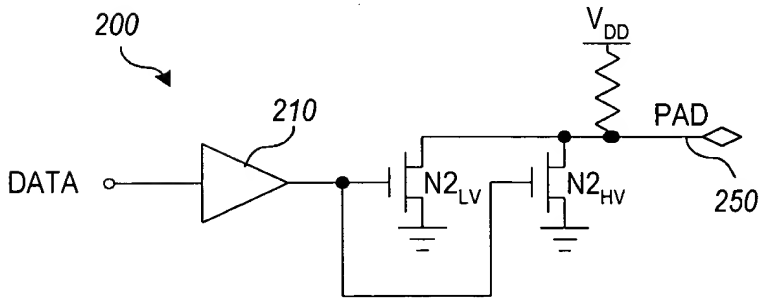
200
V_{DD}
210
PAD
DATA
$N2_{LV}$
$N2_{HV}$
250

FIG. 4

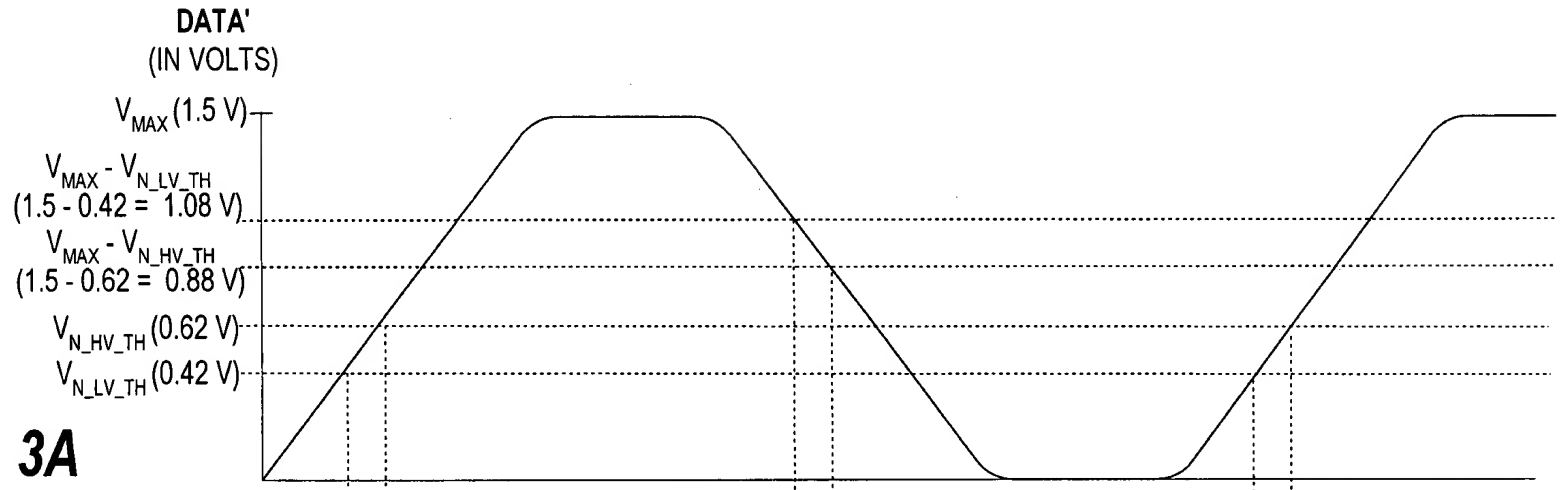
DATA'
(IN VOLTS)
V_{MAX} (1.5 V)
V_{MAX} - $V_{N\_LV\_TH}$
(1.5 - 0.42 = 1.08 V)
V_{MAX} - $V_{N\_HV\_TH}$
(1.5 - 0.62 = 0.88 V)
$V_{N\_HV\_TH}$ (0.62 V)
$V_{N\_LV\_TH}$ (0.42 V)
TIME

FIG. 3A

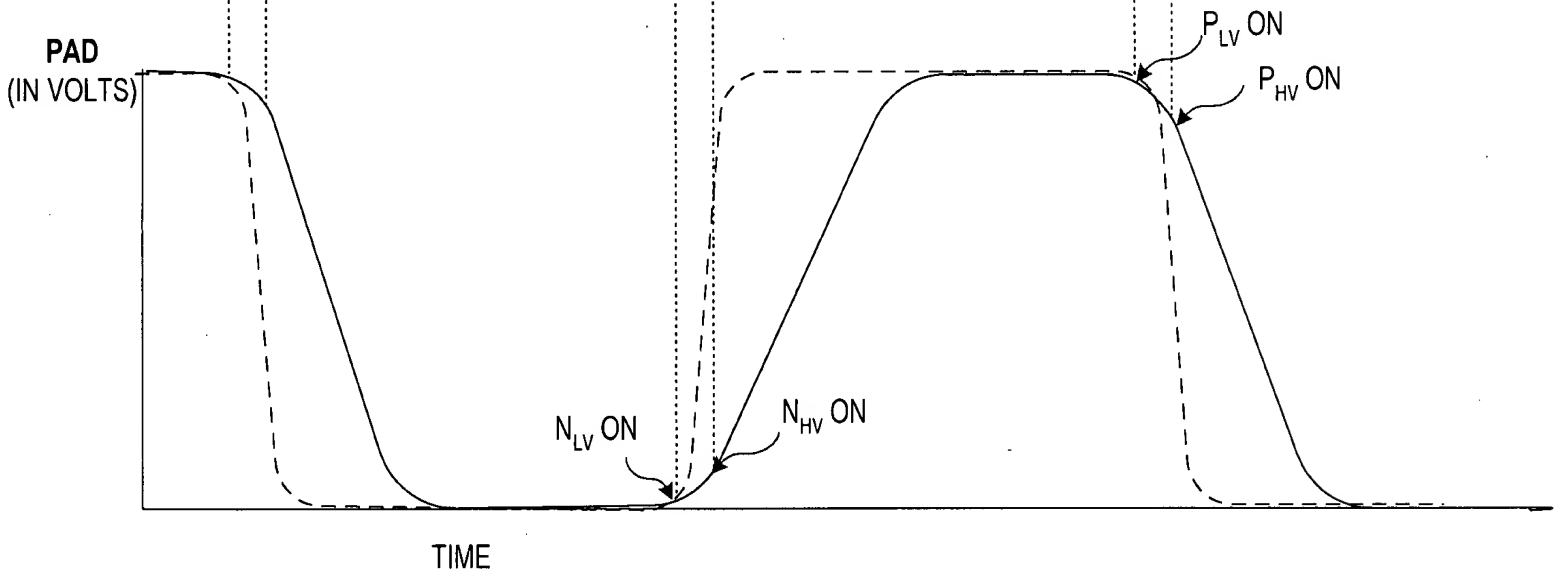
PAD
(IN VOLTS)
P_{LV} ON
P_{HV} ON
N_{LV} ON
N_{HV} ON
TIME

FIG. 3B

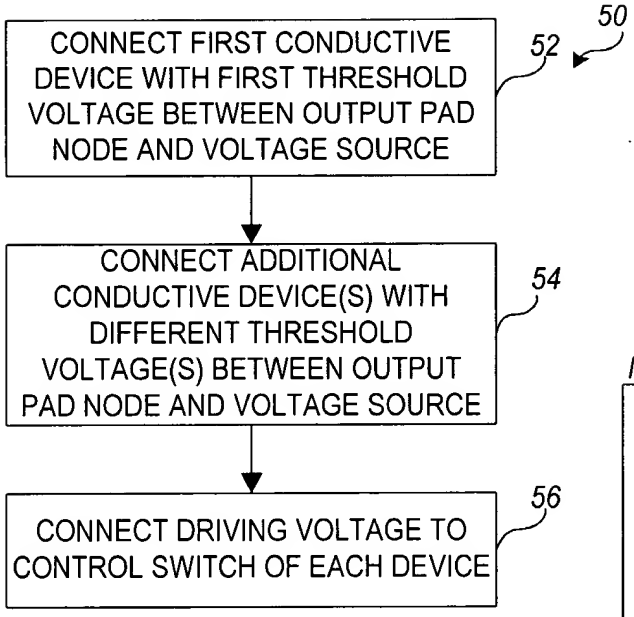

FIG. 5

FIG. 6